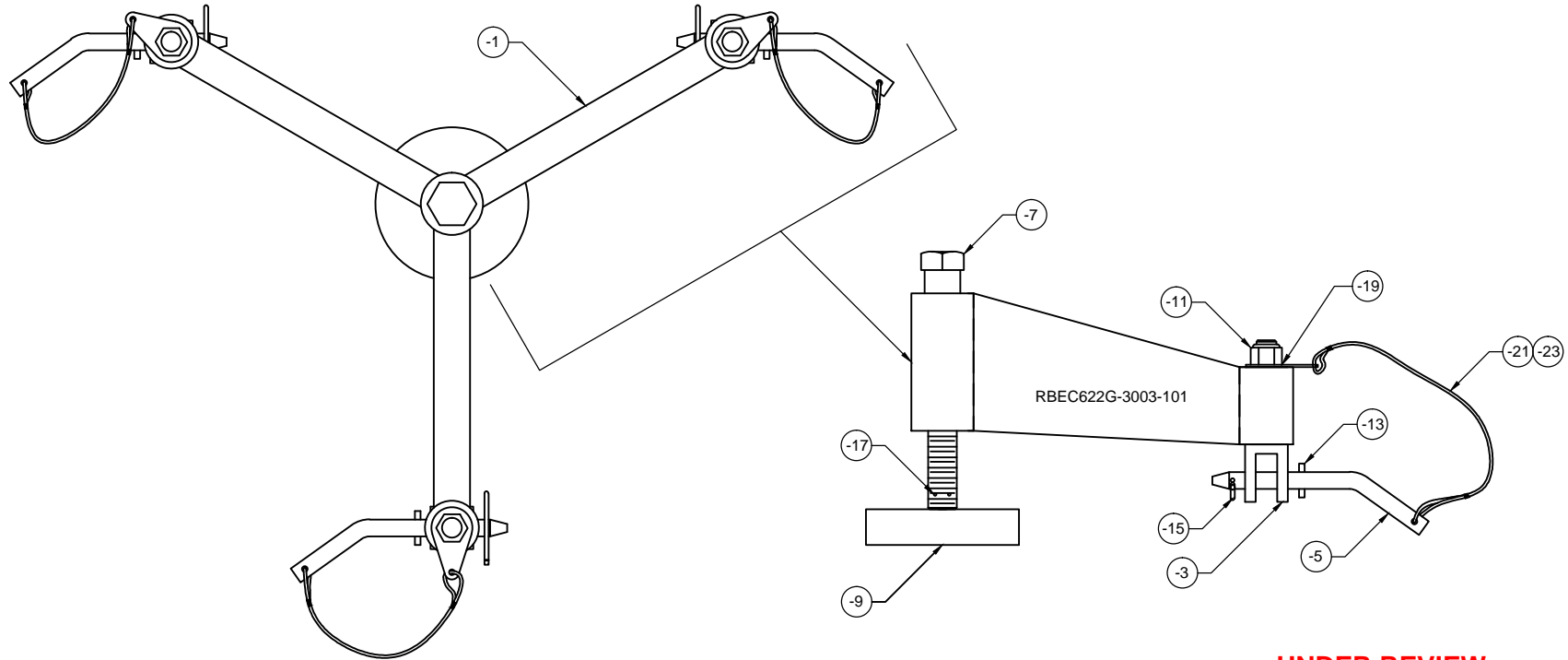


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



**UNDER REVIEW**

URF 19-1068 19.10.29 (VM)

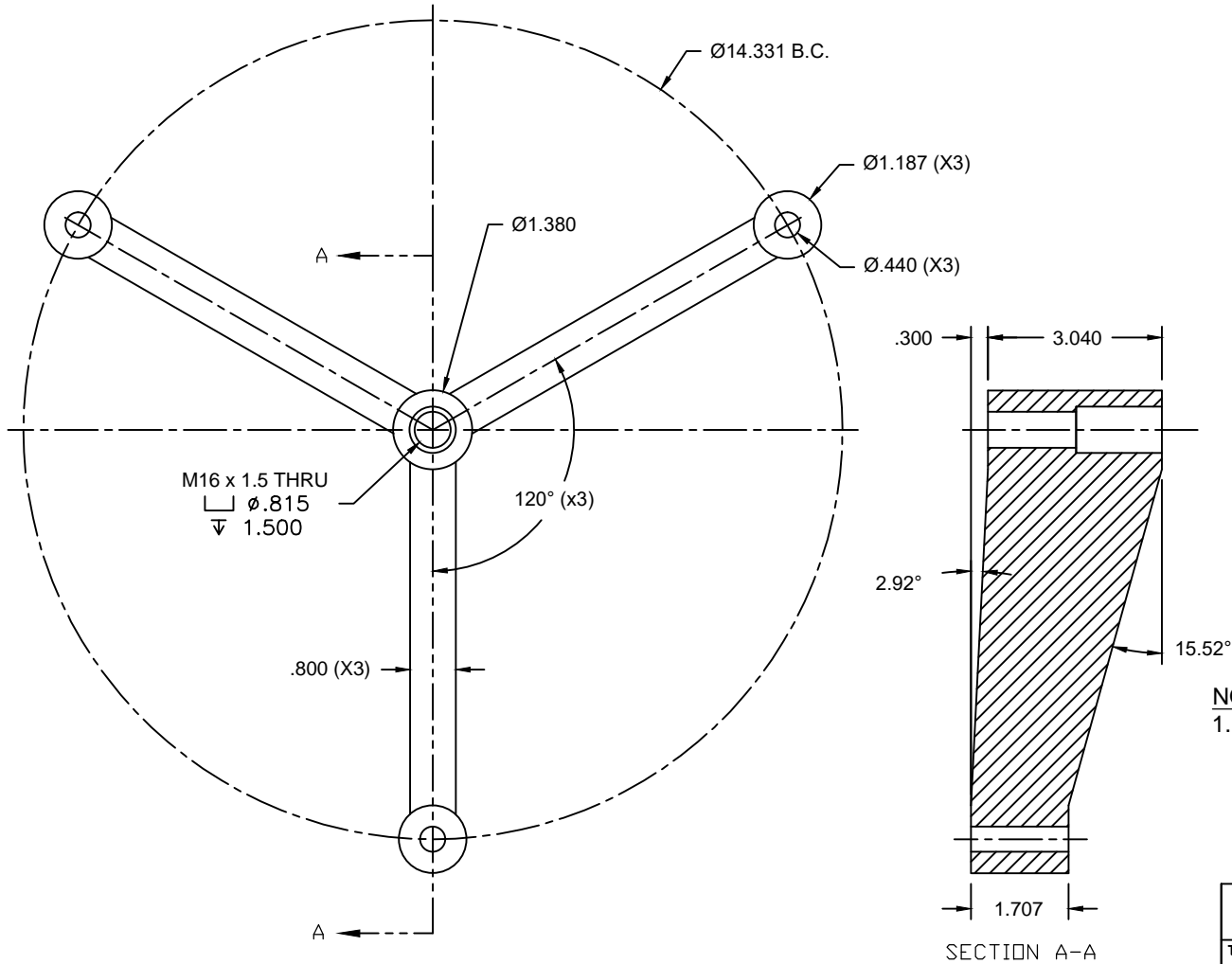
ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	STAND	4140	3-1/2 x 16 x 16	2
			-3	3	CLEVIS	1018	1 x 1 x 3-5/8	3
			-5	3	HITCH PIN	STEEL	Ø3/8 x 3 MCMaster-CARR #90146A071 (NEEDS MOD.)	4
			-7	1	BOLT	4140	Ø1-1/8 x 5-7/8	5
			-9	1	CUP	4140	Ø3-1/2 x 1-7/16	6
		B/O	-11	3	NYLON HEX NUT	STEEL	7/16-14 UNC MCMaster-CARR #97135A240	1
		B/O	-13	3	DOWEL PIN	STEEL	Ø1/8 x 3/4 MCMaster-CARR #98381A473	1
		B/O	-15	3	HAIRPIN COTTER PIN	STEEL	Ø.091 wire x FOR 5/16-3/8 SHAFT x 1-5/8 MCMaster-CARR #98335A058	1
		B/O	-17	2	ROLL PIN	STEEL	Ø1/16 x 3/8 MCMaster-CARR #98296A023	1
		B/O	-19	3	WASHER	STEEL	MCMaster-CARR #96995A180 (NEEDS BLACK OXIDED)	1
		B/O	-21	3	COATED LANYARD CABLE	GALV. STEEL	(7x7 CABLE) Ø1/16 x 12 CARR LANE #CL-2-C-01ft	1
		B/O	-23	6	FERRULE	COATED COPPER	SIZE 2 x .06 CARRR LANE #CL-4-F	1
	ASSY #							

<b>RED BARN MACHINE</b>	
TITLE EXTRACTOR, ROTOR HUB/SHAFT	
DWG NO. RBEC622G-3003-101	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 12-9-10
SHEET 1 of 6	

DRAWN BY: CLOUGH
APPROVED <i>D. Weil</i>
HEAT TREAT FINISH
SPEC
USED ON MODEL EC120

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



-1  
STAND

#### NOTES

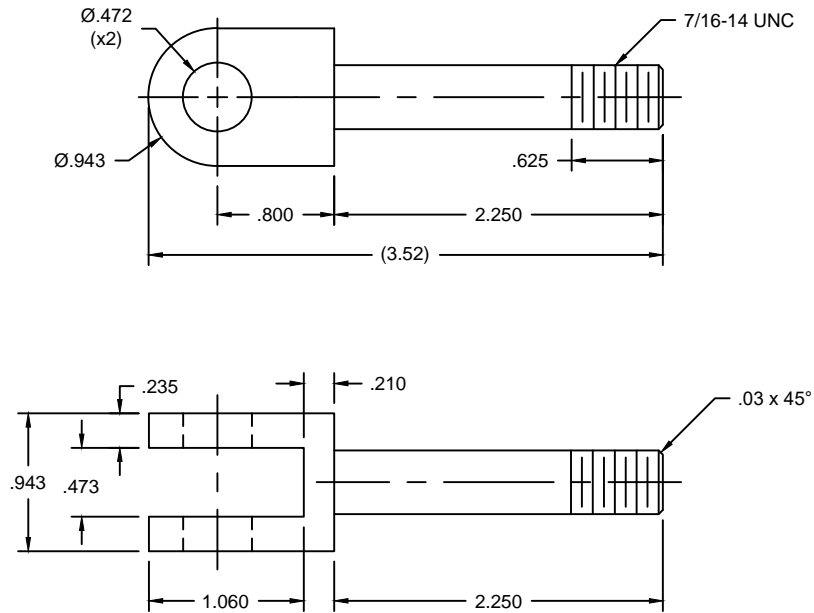
1. DRILL CENTER HOLE FOR M16 x 1.5, MACHINE & 15.52° & 2.92° ANGLES. SEND OUT TO LASER CUT PROFILE ONLY. DRILL Ø.440 HOLES IN LEGS, ADD COUNTERBORE & THREAD CENTER HOLE.

**UNDER REVIEW**  
URF 19-1068 19.10.29 (VM)

<b>RED BARN MACHINE</b>	
TITLE EXTRACTOR, ROTOR HUB/SHAFT	
DWG NO. RBEC622G-3003-101-1	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: CLOUGH APPROVED: <i>D Weil</i> HEAT TREAT: RC 20-24 FINISH: NICKEL PLATED SPEC: MIL-P-6859
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 12-9-10
SHEET 2 of 6	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-3)  
CLEVIS

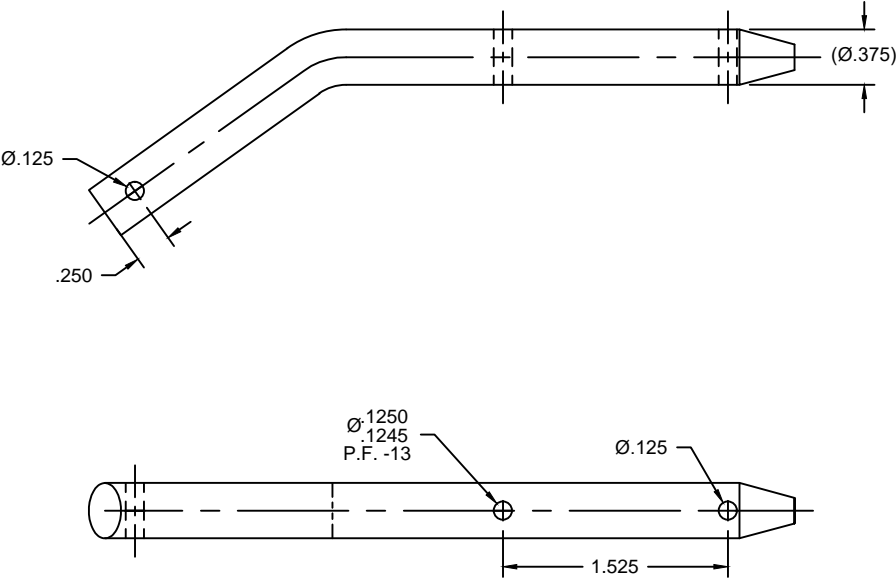
**UNDER REVIEW**  
URF 19-1068 19.10.29 (VM)

RB RED BARN MACHINE	
TITLE EXTRACTOR, ROTOR HUB/SHAFT	
DWG NO. RBEC622G-3003-101-3	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 12-9-10
SHEET 3 of 6	

DRAWN BY: CLOUGH
APPROVED <i>D Weil</i>
HEAT TREAT FINISH BLACK OXIDE
SPEC
USED ON MODEL EC120

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-5)

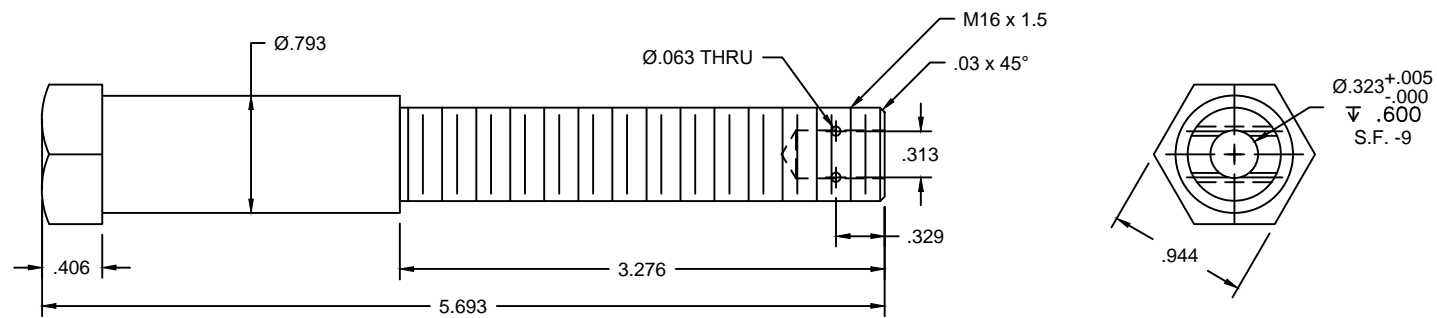
PIN

**UNDER REVIEW**  
URF 19-1068 19.10.29 (VM)

RED BARN MACHINE			
TITLE			
EXTRACTOR, ROTOR HUB/SHAFT			
DWG NO.			REV
RBEC622G-3003-101-5			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5° UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		DRAWN BY: CLOUGH	
		APPROVED <i>D Weil</i>	
		HEAT TREAT FINISH BLACK OXIDE	
		SPEC	
SCALE NTS		USED ON MODEL	
		EC120	
DATE 12-9-10		SHEET 4 of 6	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



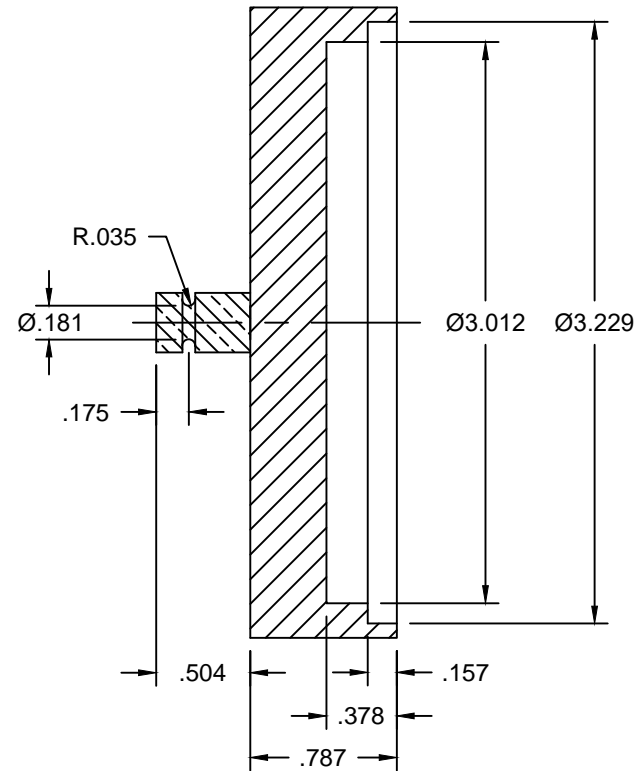
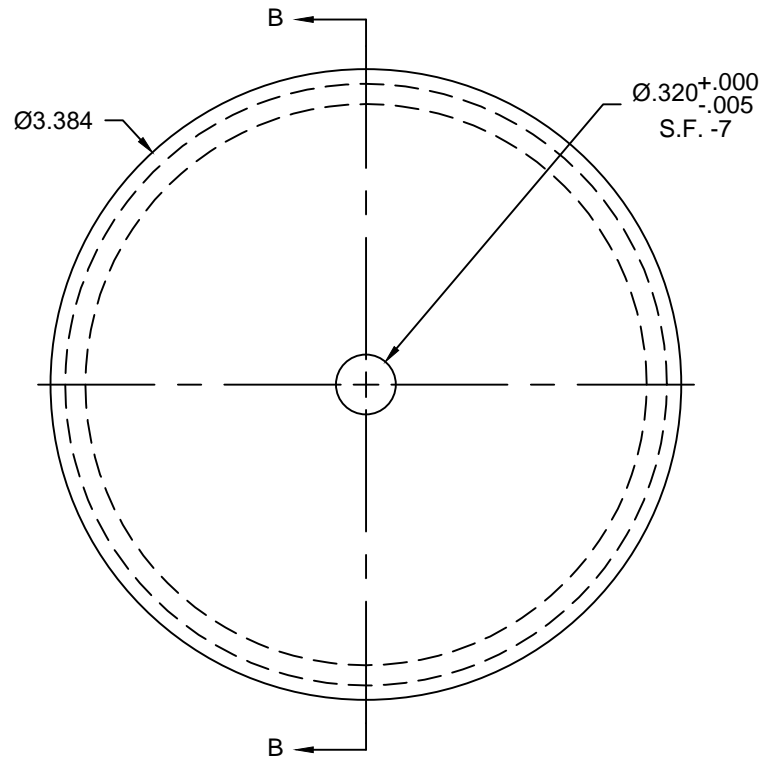
(-7)  
BOLT

**UNDER REVIEW**  
URF 19-1068 19.10.29 (VM)

RB RED BARN MACHINE			
TITLE EXTRACTOR, ROTOR HUB/SHAFT			
DWG NO. RBEC622G-3003-101-7			REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: CLOUGH	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		HEAT RC 26-30	
.XXX $\pm .005$		TREAT	
.XX $\pm .01$		FINISH BLACK OXIDE	
.X $\pm .1$		SPEC	
FRACTIONS $\pm 1/32$		USED ON MODEL	
ANGLES $\pm 5^\circ$		EC120	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SCALE NTS	
DATE 12-9-10		SHEET 5 of 6	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



SECTION B-B

-9  
CUP

**UNDER REVIEW**  
URF 19-1068 19.10.29 (VM)

<b>RED BARN MACHINE</b>	
TITLE EXTRACTOR, ROTOR HUB/SHAFT	
DWG NO. RBEC622G-3003-101-9	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS .XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 12-9-10
DRAWN BY: CLOUGH APPROVED: <i>D. Weil</i> HEAT TREAT RC 23-27 FINISH BLACK OXIDE SPEC USED ON MODEL EC120	
SHEET 6 of 6	